## WHAT IS CLAIMED IS:

- 1. A driver, comprising:
- a rotor adapted to be rotated with an axis portion as a center;
- a first bearing for supporting one end of the axis portion of the rotor; and
  - a second bearing for supporting the other end of the axis portion of the rotor,
- wherein a portion of the first bearing into

  which the axis portion is fitted has a tapered shape,

  and the axis portion is brought into contact with the

  portion having the tapered shape of the first bearing.
- 2. A driver according to claim 1, wherein the 15 portion of the first bearing into which the axis portion is fitted has a conical shape.
- A driver according to claim 1, wherein a portion of the axis portion which is fitted into the
   first bearing has one of a semi-spherical shape and a spherical shape.
- A driver according to claim 1, wherein the portion of the first bearing into which the axis
   portion is fitted further has a shape for regulating a radial movement of the axis portion.

5. A driver according to claim 1, further comprising biasing means for axially biasing the axis portion of the rotor to bring the axis portion into contact with the first bearing.

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- 6. A driver according to claim 5, further comprising a coil and a yoke, wherein a magnet is fixed to the rotor, the axis portion of the rotor is axially biased by a magnetic force acting between the yoke and the magnet, and a current is caused to flow through the coil to rotate the rotor.
  - 7. A driver, comprising:

a rotor adapted to be rotated with an axis portion as a center;

a first bearing for supporting one end of the axis portion of the rotor; and

a second bearing for supporting the other end of the axis portion of the rotor,

wherein a portion of the axis portion which is fitted into the first bearing has a tapered shape, and the first bearing is brought into contact with the portion having the tapered shape of the axis portion.

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8. A device for adjusting a quantity of light, comprising: a rotor adapted to be rotated with an axis portion as a center;

a first bearing for supporting one end of the axis portion of the rotor;

a second bearing for supporting the other end of the axis portion of the rotor; and

a member for adjusting a quantity of light which moves in accordance with a rotation of the rotor,

- wherein a portion of the first bearing into which the axis portion is fitted has a tapered shape, and the axis portion is brought into contact with the portion having the tapered shape of the first bearing.
- 9. A device for adjusting a quantity of light according to claim 8, wherein the portion of the first bearing into which the axis portion is fitted has a conical shape.
- 20 10. A device for adjusting a quantity of light according to claim 8, wherein a portion of the axis portion which is fitted into the first bearing has one of a semi-spherical shape and a spherical shape.
- 25 11. A device for adjusting a quantity of light according to claim 8, wherein the portion of the first bearing into which the axis portion is fitted

further has a shape for regulating a radial movement of the axis portion.

- 12. A device for adjusting a quantity of light according to claim 8, further comprising biasing means for axially biasing the axis portion of the rotor to bring the axis portion into contact with the first bearing.
- 13. A device for adjusting a quantity of light according to claim 12, further comprising a coil and a yoke, wherein a magnet is fixed to the rotor, the axis portion of the rotor is axially biased by a magnetic force acting between the yoke and the magnet, and a current is caused to flow through the coil to rotate the rotor.
  - 14. A device for adjusting a quantity of light according to claim 8, wherein the rotor is provided with a driving lever, and the driving lever is fitted into the member for adjusting a quantity of light.

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15. A device for adjusting a quantity of light according to claim 13, wherein the first bearing is provided in a first case, the second bearing is provided in a second case, the first case and the second case constitute a bobbin, and the coil is

wound around the bobbin.

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- 16. A device for adjusting a quantity of light according to claim 9, wherein the conical shape is formed so as for an angle of its vertex to fall within the range of 90 to 110 degrees.
- 17. A device for adjusting a quantity of light according to claim 8, wherein a position of the rotor 10 is detected by a Hall element.
  - 18. A device for adjusting a quantity of light, comprising:
- a rotor adapted to be rotated with an axis

  15 portion as a center;
  - a first bearing for supporting one end of the axis portion of the rotor;
  - a second bearing for supporting the other end of the axis portion of the rotor; and
- a member for adjusting a quantity of light which moves in accordance with a rotation of the rotor,

wherein a portion of the axis portion which is fitted into the first bearing has a tapered shape, and the first bearing is brought into contact with the portion having the tapered shape of the axis portion.